

<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED / ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER <b>P67311US0</b>
		<b>097926525</b> <small>US APPLICATION NO. (if known, see 37 CFR 1.5)</small>
INTERNATIONAL APPLICATION NO. <b>PCT/KR00/00263</b>	INTERNATIONAL FILING DATE <b>25 March 2000</b>	PRIORITY DATE CLAIMED <b>14 May 1999</b>
TITLE OF INVENTION <b>ELECTRONIC DEVICES USING EARPHONES AND WIRELESS EARPHONES</b>		
APPLICANT(S) FOR DO/EO/US <b>Jung Hoon RHE</b>		

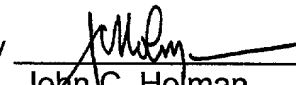
Applicant herein submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information.

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).
4. ☒ A proper Demand for Internatl. Preliminary Examination was made by the 19th month from earliest claimed priority date.
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☒ is transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☒ has been transmitted by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US)
6. ☒ A translation of the International Application into English (35 U.S.C. 371(c)(2)).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a. ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☐ have been transmitted by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☒ have not been made and will not be made.
8. ☐ A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ A translation of the annexes to the Internatl. Preliminary Examination report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11. to 16. below concern other document(s) or information included:

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A **FIRST** preliminary amendment.  
☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
14. ☐ A substitute specification.
15. ☐ A change of power of attorney and/or address letter.
16. ☒ Other items or information:

International Search Report  
PCT Request Form  
First Page of Publication  
Demand

US APPLICATION NO. (If known, see 37 CFR 1.5) <b>09/926525</b>		INTERNATIONAL APPLICATION NO. <b>PCT/KR00/00263</b>		ATTORNEY'S DOCKET NUMBER <b>P67311US0</b>	
17. <input checked="" type="checkbox"/> The following fees are submitted:  <b>Basic National Fee (37 CFR 1.492(a)(1)-(5)):</b> Internatl. prelim. examination fee paid to USPTO (37 CFR 1.492 (a) (1)) .. \$710.00 No international preliminary examination fee paid to USPTO (37 CFR 1.492 (a) (2)) but international search fee paid to USPTO (37 CFR 1.445(a)(2)) .. \$740.00 Neither international preliminary examination fee (37 CFR 1.492 (a) (3)) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO) ..... <b>\$1040.00</b> International preliminary examination fee paid to USPTO (37 CFR 1.492 (a) (4)) and all claims satisfied provisions of PCT Article 33(2)-(4) ..... \$100.00 Search Report prepared by the EPO or JPO (37 CFR 1.492 (a) (5)) ..... <b>\$890.00</b>  <b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>				CALCULATIONS	PTO USE ONLY
				\$ 1040.00	
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input checked="" type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$ 130.00	
<b>Claims</b>	<b>Number Filed</b>	<b>Number Extra</b>	<b>Rate</b>		
Total Claims	1 - 20 =	-0-	x \$18.00	\$	
Independent Claims	1 - 3 =	-0-	x \$84.00	\$	
Multiple Dependent Claim(s) (if applicable)			+ \$280.00	\$	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$ 1170.00	
Reduction by 1/2 for filing by <b>small entity</b> , if applicable. Verified Small Entity statement must also be filed. (Note 37 CFR 1.9, 1.27, 1.28).				\$	
<b>SUBTOTAL =</b>				\$ 1170.00	
Processing fee of \$130 for furnishing the <b>English translation</b> later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f))				\$	
<b>TOTAL NATIONAL FEE =</b>				\$ 1170.00	
Fee of \$40.00 for recording the enclosed <b>assignment</b> (37 CFR 1.21(h)). Assignment must be accompanied by appropriate cover sheet (37 CFR 3.28, 3.31).				\$	
<b>TOTAL FEES ENCLOSED =</b>				\$ 1170.00	
				Amt. to be refunded:	\$
				Amt. charged:	\$
a. <input checked="" type="checkbox"/> A check in the amount of \$ <u>1170.00</u> to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. <u>06-1358</u> in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge my account any additional fees set forth in §1.492 during the pendency of this application, or credit any overpayment to Deposit Account No. <u>06-1358</u> . A duplicate copy of this sheet is enclosed.					
SEND ALL CORRESPONDENCE TO:  <b>JACOBSON HOLMAN PLLC</b> 400 7th Street, N.W., Suite 600 Washington, DC 20004 202-638-6666 <b>CUSTOMER NUMBER: 00136</b>					
				By 	
				John C. Holman Reg. No. 22,769	

09/926525

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Jung Hoon RHE  
Serial No.: New  
Filing Date: November 14, 2001  
For: ELECTRONIC DEVICES USING EARPHONES AND WIRELESS  
EARPHONES

PRELIMINARY AMENDMENT

Commissioner for Patents  
Washington, D.C. 20231

Sir:

Prior to initial examination, please amend the above-identified application as follows:

IN THE SPECIFICATION

On page 1, immediately following the title, please insert the following sentence: --This is a nationalization of PCT/KR00/00263 filed March 25, 2000 and published in English.--

REMARKS

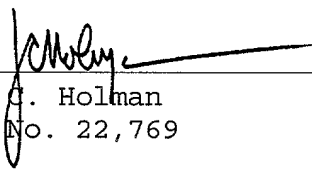
The foregoing Preliminary Amendment is requested in order to place the application in better form for examination.

Early action on the merits is respectfully requested.

Respectfully submitted,

JACOBSON HOLMAN PLLC

By

  
John G. Holman  
Reg. No. 22,769

400 Seventh Street, N.W.  
Washington, D.C. 20004-2201  
(202) 638-6666

Atty. Docket: P67311US0  
Date: November 14, 2001  
JCH/cmf

2/PRTS

JC07 Rec'd PCT/PTO 14 NOV 2007

09/926525

Electronic Devices using Earphones and Wireless  
Earphones.

BACKGROUND OF THE INVENTION

FIELD OF THE INVENTION

The present invention relates to electronic devices using earphones such as audios, hand phones(Cellular phones), video phones, device for singing, game device, general telephones and internet phone and wireless earphones, more particularly, to electronic devices using earphones such as large audios for the rooms or portable small audios(cassettes) and wireless earphones.

DESCRIPTION OF THE PRIOR ART

Generally in earphones for electronic devices using earphones such as large audios or small audios i.e cassettes wires having earphone plugs for connection with jack of the devices should be connected in order to hear sound from electronic devices.

Therefore in case of large audios for the room since the electric wire

should be long in order to connect with the devices placed far away there is very inconvenient to handle them and also in case for portable cassettes as small audios cassettes should be always connected by wire with earphones in order to hear sound from the cassettes.

### SUMMARY OF THE INVENTION

The present invention is to improve conventional earphones having electric wires for electronic devices. Furthermore the present invention is to provide electronic devices using earphones capable of hearing sound of electronic devices by wireless earphones and wireless earphones for the devices, so that sound of the electronic devices can be heard from the electronic devices by only earphones without wires.

### DESCRIPTION OF THE DRAWINGS

Fig 1 represents an example of circuits of transmitters being used in the present invention.

Fig 2 represents an example of circuits for receivers being used in the present invention.

### DETAILED DESCRIPTION OF THE INVENTION

Now referring to the accompanying drawings the present invention is described in detail as below.

The present invention relates to electronic devices using earphones and wireless earphones characterized in installing, by plugs 3 or by conventional means, conventional small stereo transmitters T without antennas having circuit as shown in Fig 1 in electronic devices using earphones and in installing small trimmers 1 for variable condensers and coupled resistances 2 for variable resistor in conventional small receivers R of earphones capable of receiving without antennas having circuits as shown in Fig 2.

Upon the above-stated electronic devices using earphones and wireless earphones sound transmitting from the electronic devices can be heard by earphones without wires.

Accordingly although the electronic devices are placed far away from earphones each other indoors or outdoors sound from the electronic devices can be heard by wireless earphones clearly.

## CLAIMS

1. Electronic devices using earphones and wireless earphones characterized in installing, by plugs 3 or conventional means, conventional small stereos transmitters T without antennas in electronic devices using earphones and in installing small trimmers 1 for variable condensers and coupled resistances 2 for variable resistor in conventional small receiver R of earphones capable of receiving without antennas.

Fig 1

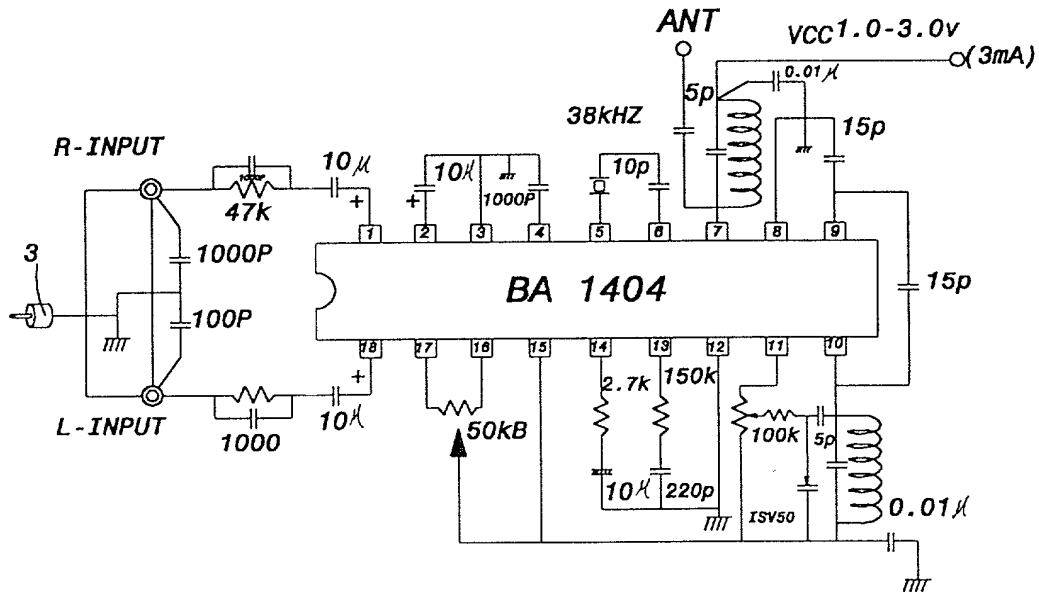
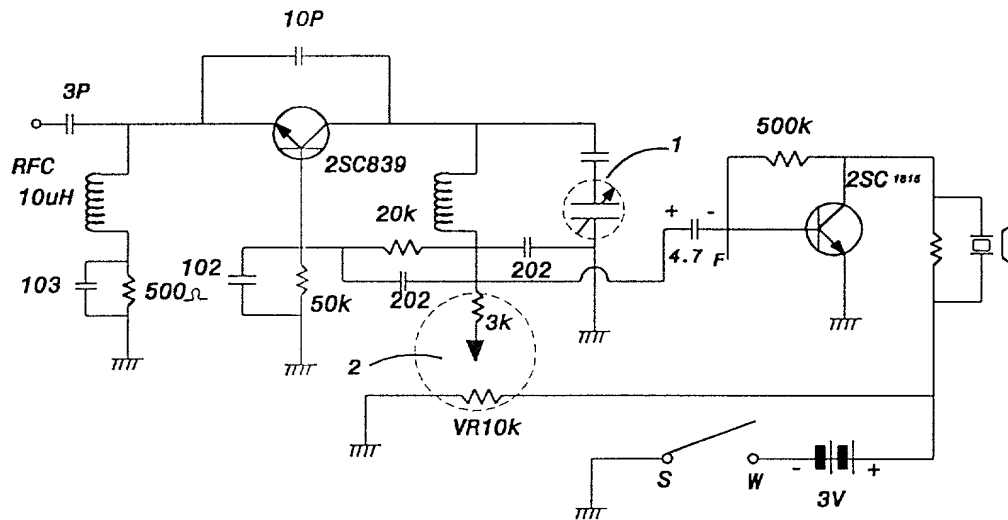




Fig 2



**DECLARATION  
AND POWER OF ATTORNEY  
U.S.A.**

FOR ATTORNEYS' USE ONLY

ATTORNEYS' DOCKET NO.

**P67311US0**

ALL PATENTS, INCLUDING DESIGN  
FOR APPLICATION BASED ON PCT; PARIS CONVENTION;  
NON PRIORITY; OR PROVISIONAL APPLICATIONS

As a below named inventor, I declare that my residence, post office address and citizenship are stated below next to my name, the information given herein is true, that I believe that I am the original, first and sole inventor (if only one name is listed at 201 below), or an original, first and joint inventor (if plural inventors are named below at 201-203, or on additional sheets attached hereto) of the subject matter which is claimed and for which patent is sought on the invention entitled:

**ELECTRONIC DEVICES USING EARPHONES AND WIRELESS EARPHONES**

which is described and claimed in:

☒ PCT International Application No. **PCT/KR00/00263**

filed **25 March 2000**

☐ the attached specification

☒ the specification in application Serial No. **09/926,525**

filed **14 November 2001**

(if applicable) and amended on \_\_\_\_\_

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 (a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

**1999/17459**

**Korea (KR)**

**14 May 1999**

(Number)

(Country)

(Day/Month/Year Filed)

☒

Yes

☐

No

(Number)

(Country)

(Day/Month/Year Filed)

☐

Yes

☐

No

(Number)

(Country)

(Day/Month/Year Filed)

☐

Yes

☐

No

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below:

Application No. \_\_\_\_\_

Filing Date \_\_\_\_\_

Application No. \_\_\_\_\_

Filing Date \_\_\_\_\_

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)

(Filing Date)

(Status: patented, pending, abandoned)

**POWER OF ATTORNEY:** As a named inventor, I hereby appoint the following attorneys (Registration No. ) to prosecute this application, receive and act on instructions from my agent, and transact all business in the Patent and Trademark Office connected therewith. HARVEY B. JACOBSON, JR. (20,851); JOHN CLARKE HOLMAN (22,769); MARVIN R. STERN (20,640); ALLEN S. MELSER (27,215); MICHAEL R. SLOBASKY (26,421); JONATHAN L. SCHERER (29,851); IRWIN M. AISENBERG (19,007); WILLIAM E. PLAYER (31,409); YOUNG S. HAM (45,307) and NATHANIEL A. HUMPHRIES (22,772)

SEND CORRESPONDENCE TO: **CUSTOMER NO. 00136**

or

**JACOBSON HOLMAN  
PROFESSIONAL LIMITED LIABILITY COMPANY  
400 SEVENTH STREET, N.W.  
WASHINGTON, D.C. 20004**

DIRECT TELEPHONE CALLS TO:

(please use Attorney's Docket No.) (202) 638-6666

**JACOBSON HOLMAN  
PROFESSIONAL LIMITED LIABILITY COMPANY**

\*Inventor(s) name must include at least one unabbreviated first or middle name.

201	FULL NAME * OF INVENTOR	FAMILY NAME <b>RHE</b>	GIVEN NAME <b>Jung</b>	MIDDLE NAME <b>Hoon</b>
	RESIDENCE & CITIZENSHIP	CITY <b>Seoul</b>	STATE OR FOREIGN COUNTRY <b>Korea</b>	COUNTRY OF CITIZENSHIP <b>Korea</b>
	POST OFFICE ADDRESS	POST OFFICE ADDRESS <b>99-1, Nam Hyeon Dong San, Gwanak-Gu</b>	CITY <b>Seoul</b>	STATE OR COUNTRY <b>Korea</b>
202	FULL NAME * OF INVENTOR	FAMILY NAME	GIVEN NAME	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY
203	FULL NAME * OF INVENTOR	FAMILY NAME	GIVEN NAME	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under section 1001 of Title 18 of the United States Code; and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201*	SIGNATURE OF INVENTOR 202*	SIGNATURE OF INVENTOR 203*
DATE <b>29 December 2001</b>	DATE	DATE

☐ Additional inventors are named on separately numbered sheets attached hereto